

Claims

1. A fitment comprising a base flange (4) and a hollow spout (6), a removable part(10) within a base of the spout (6), and an overcap (8) for resealably closing the spout (6), and a barrier foil (30)coated on both sides with a plastics layer extending across the base flange (4), characterised in that the foil (30) has an exposed cut edge prior to assembly in the fitment, and that the edge of the foil (30) is assembled to the flange (4) in such a manner that the edge is prevented in use from coming into contact with contents of a container to which the fitment is assembled.
- 10 2. A fitment as claimed in claim 1, characterised in that the edge of the foil (30) is embedded in the base flange (4).
3. A fitment as claimed in claim 1 or 2, characterised in that the foil (30) is sealed to the base flange (4).
- 15 4. A fitment comprising a base flange (4) having a first surface (54) and a hollow spout (6) projecting from a surface (56) opposite the first surface (54), a removable part(10) within a base of the spout (6), and an overcap (8) for resealably closing the spout, characterised in that a barrier foil (30) coated on both sides with a plastics layer is wrapped over the first surface of the flange (4) such that the foil extends onto the opposite surface (56) surrounding the spout.
- 20 5. A fitment as claimed in any one of the preceding claims, further comprising tamper evident means.
6. A paperboard carton with a fitment (2) as claimed in any one of the preceding claims inserted into a pre-cut hole (20) in a composite paperboard wall (22), characterised in that a seal between edges of the foil (30) and the wall (22) are of the same integrity as other seams in a remainder of the carton.

7. A plastic coated or barrier coated metal container with a fitment (2) as claimed in any one of the preceding claims inserted into a pre-cut hole (20) in a wall of the container, characterised in that a seal between edges of the foil (30) and the wall are of the same integrity as other seams in a remainder of the container.
- 5 8. A mono or multi-layer plastics container which is thermoformed, injection moulded, or blow moulded, with a fitment (2) as claimed in any one of the preceding claims inserted into a pre-cut hole (20) in a wall of the container, characterised in that a seal between edges of the foil (30) and the wall are of the same integrity as other seams in a remainder of the container.
- 10 9. A method of manufacturing a fitment comprising the steps of placing a foil having a plastics layer on each surface within a receiving wall projecting from a first surface of a base flange of a fitment that has a hollow spout extending from an opposite surface, and welding the foil to the flange such that the wall is sealed over the edge of the foil.
- 15 10. A method as claimed in claim 9, further comprising the step of folding the receiving wall over the edge of the foil prior to the securing step.
11. A method as claimed in claim 9 or 10, wherein the securing step is carried out by induction heat sealing.
12. A method of manufacturing a fitment comprising the steps of wrapping a foil having a plastics layer on each surface over a first surface of a base flange of a fitment that has a hollow spout extending from an opposite surface such that the foil extends onto the opposite surface surrounding the spout, and welding the foil to the flange.

AMENDED CLAIMS

[received by the International Bureau on 29 November 2004 (29.11.04);
original claims 1-12 replaced by new claims 1-12 (2 pages).]

1. A fitment comprising a base flange (4) and a hollow spout (6), a removable part (10) within a base of the spout (6), and an overcap (8) for resealably closing the spout (6), and a barrier foil (30) coated on both sides with a plastics layer extending across the base flange (4), characterised in that the foil (30) is a coated aluminium foil that has an exposed aluminium cut edge prior to assembly in the fitment, and that the edge of the foil (30) is assembled to the flange (4) in such a manner that the aluminium cut edge is prevented in use from coming into contact with contents of a container to which the fitment is assembled with the base flange inside the container.
2. A fitment as claimed in claim 1, characterised in that the aluminium cut edge of the foil (30) is embedded in the base flange (4).
3. A fitment as claimed in claim 1 or 2, characterised in that the foil (30) is sealed to the base flange (4).
4. A fitment comprising a base flange (4) having a first surface (54) and a hollow spout (6) projecting from a surface (56) opposite the first surface (54), a removable part (10) within a base of the spout (6), and an overcap (8) for resealably closing the spout, characterised in that a barrier foil (30) coated on both sides with a plastics layer is wrapped over the first surface of the flange (4) such that the foil extends onto the opposite surface (56) surrounding the spout.
5. A fitment as claimed in any one of the preceding claims, further comprising tamper evident means.
6. A paperboard carton with a fitment (2) as claimed in any one of the preceding claims inserted into a pre-cut hole (20) in a composite paperboard wall (22), characterised in that a seal between edges of the foil (30) and the wall (22) are of the same integrity as other seams in a remainder of the carton.
7. A plastic coated or barrier coated metal container with a fitment (2) as claimed in any one of the preceding claims inserted into a pre-cut hole (20) in a wall of the

container, characterised in that a seal between edges of the foil (30) and the wall are of the same integrity as other seams in a remainder of the container.

8. A mono or multi-layer plastics container which is thermoformed, injection moulded, or blow moulded, with a fitment (2) as claimed in any one of the preceding claims inserted into a pre-cut hole (20) in a wall of the container, characterised in that a seal between edges of the foil (30) and the wall are of the same integrity as other seams in a remainder of the container.
9. A method of manufacturing a fitment comprising the steps of placing an aluminium foil having a plastics layer on each surface within a receiving wall projecting from a first surface of a base flange of a fitment that has a hollow spout extending from an opposite surface, and welding the foil to the flange such that the wall is sealed over an aluminium cut edge of the foil.
10. A method as claimed in claim 9, further comprising the step of folding the receiving wall over the edge of the foil prior to the securing step.
11. A method as claimed in claim 9 or 10, wherein the securing step is carried out by induction heat sealing.
12. A method of manufacturing a fitment comprising the steps of wrapping a foil having a plastics layer on each surface over a first surface of a base flange of a fitment that has a hollow spout extending from an opposite surface such that the foil extends onto the opposite surface surrounding the spout, and welding the foil to the flange.